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IPO/OSB/M-131-66
30 March 1966

MEMORANDUM FOR: Assistant for Plans and Development, NPIC

ATTENTION : [REDACTED] 25X1A

SUBJECT : Comments on [REDACTED] Film Reader 25X1A

1. In response to your request to evaluate the engineering drawings and specifications for the new film reader, the PAG has found it impossible to review the box of engineering drawings submitted but the "System Description and Specifications #265" has been read and comments made in pencil near the statement to which it refers.

2. In reading the system description there seems to be no great change in operating procedures over what is now available in the prototype. One exception to this however is the film or leader loading which has been automated. According to the description of this however, it still is not a proven system operation that can be depended upon. More work should be done on operator convenience and simplification of procedures. 25X1A

3. A memorandum evaluating the use of the present [REDACTED] Reader/Viewer prototype will be forthcoming next week from PAG. This paper lists advantages and disadvantages, and recommendations concerning use of the instrument and additional computer data which would aid the photointerpreter. 25X1A

4. It would be appreciated if the questions indicated in the comments on the "System Description and Specifications #265" were answered and forwarded to PAG. It is further suggested that [REDACTED] and [REDACTED] have a discussion of the concept and operation of the new Reader/Viewer. 25X1A

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[REDACTED]
Assistant for Photographic Analysis, NPIC

Orig. & 1 - Addressee
1 - Asst/Pa
1 - Chrono/OSB

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IPO/OSB/M-118-66
9 March 1966

MEMORANDUM FOR: Assistant for Plans and Development, NPIC

ATTENTION :

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SUBJECT :

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Evaluation of [REDACTED] Reader Viewer

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1. Recently an evaluation of the accuracy obtained from the [REDACTED] Reader Viewer was completed with the following results:

a) Results obtained from measuring large aircraft were more accurate than runway length/width measurements possible due to pointing variation.

b) Best accuracy obtained through multiple measurements with at least three interrogations (averaging).

2. Evaluation of procedures required to use that instrument is as follows:

a) It would be of great value if the computer would send back, in addition to the geographic coordinates, information such as the name of the installation, NPIC number and COMOR number. Some leeway should be programmed in coordinates - say [REDACTED] in latitude and longitude - to assure feedback from the computer of this information for the installation. Where multiple installations exist within the area, limitations of about [REDACTED] may be necessary. If no record has been made of the area of interest, the computer confirms no data and a target blip input can be made into the computer for future recall and reference. After a roll has been completed, the new areas of interest will be sent to the teletype at the operator's station upon his request. This then would accomplish recording and readout of new targets.

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b) Loading of film is difficult, especially splicing film on the leader which remains in the instrument.

c) Threading the leader is especially difficult when it enters the liquid platen area. It would be advantageous if a release mechanism on the platen seal could be provided.

d) Slewing, scanning and other film motions have been improved to the point that no criticism was voiced during the evaluation, as far as apparent image travel was concerned. Scanning the film using the joy stick did however adversely affect the accuracy of measurements.

e) Flickering of the arc light is annoying to anyone using the instrument during a normal operation.

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Evaluation of [REDACTED] Reader Viewer

3. Recommendations included in the evaluation other than item "2" are:

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c) A servo drive that would enable the PI to request the computer for a certain target in the roll and have the instrument slew to that location.

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d) More immediate data (such as [REDACTED] data) be placed in the computer for immediate use of the instrument phases of PAG operations. The [REDACTED] Program provides NPIC with a machine listing of all COMOR targets that have been covered by a particular KH-4 mission. Listed with each COMOR target is the Pass Number, Frame Numbers (both fore and aft), and the position of each target on a frame of photography given in the X direction only.

4. It is realized that some of the requirements that are listed in item 3 are to be included in the Stereoviewing program. In addition, it is requested that no additional modifications be made to the [REDACTED] Reader Viewer that will complicate its operation by the PI's.

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5. It is hoped that this appraisal of the operation of the [REDACTED] Reader Viewer will help in its evaluation and serve as a guide-line to production of other instruments.

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for [REDACTED]
Assistant for Photographic Analysis, NPIC

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Next 1 Page(s) In Document Exempt

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IAD/OSS-152/66
24 June 1966

MEMORANDUM FOR: Assistant for Plans and Development, NPIC

ATTENTION: 

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FROM: Chief, Imagery Analysis Division, CIA

SUBJECT: IAD Evaluation of the  Variable Width Film Reader


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REFERENCE: Memorandum, P&DS/D/SSS/6-18/66

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1. Per your request, an evaluation of the prototype  Film Reader installed in the PAG/NPIC was performed by six (6) IAD PI's. Their completed Tentative Equipment Evaluation Forms are attached along with a tabular listing of responses.

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2. For our purposes, it appears that the  does not provide any improvement over devices presently being used in the IAD. Being primarily concerned with detailed imagery analysis, as opposed to scanning or search operations, we find high quality microstereoscopes more suitable than available rear projection viewers. Under the current state-of-the-art we do not anticipate a requirement for devices of the latter type in the foreseeable future.

3. We appreciate the opportunity to evaluate this equipment and particularly the assistance and cooperation of OSB/PAG personnel which made this evaluation possible.

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Attachments

- 6 Equipment Evaluation Forms
- 1 Tabular Listing

Distribution

- Original - Addressee
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